

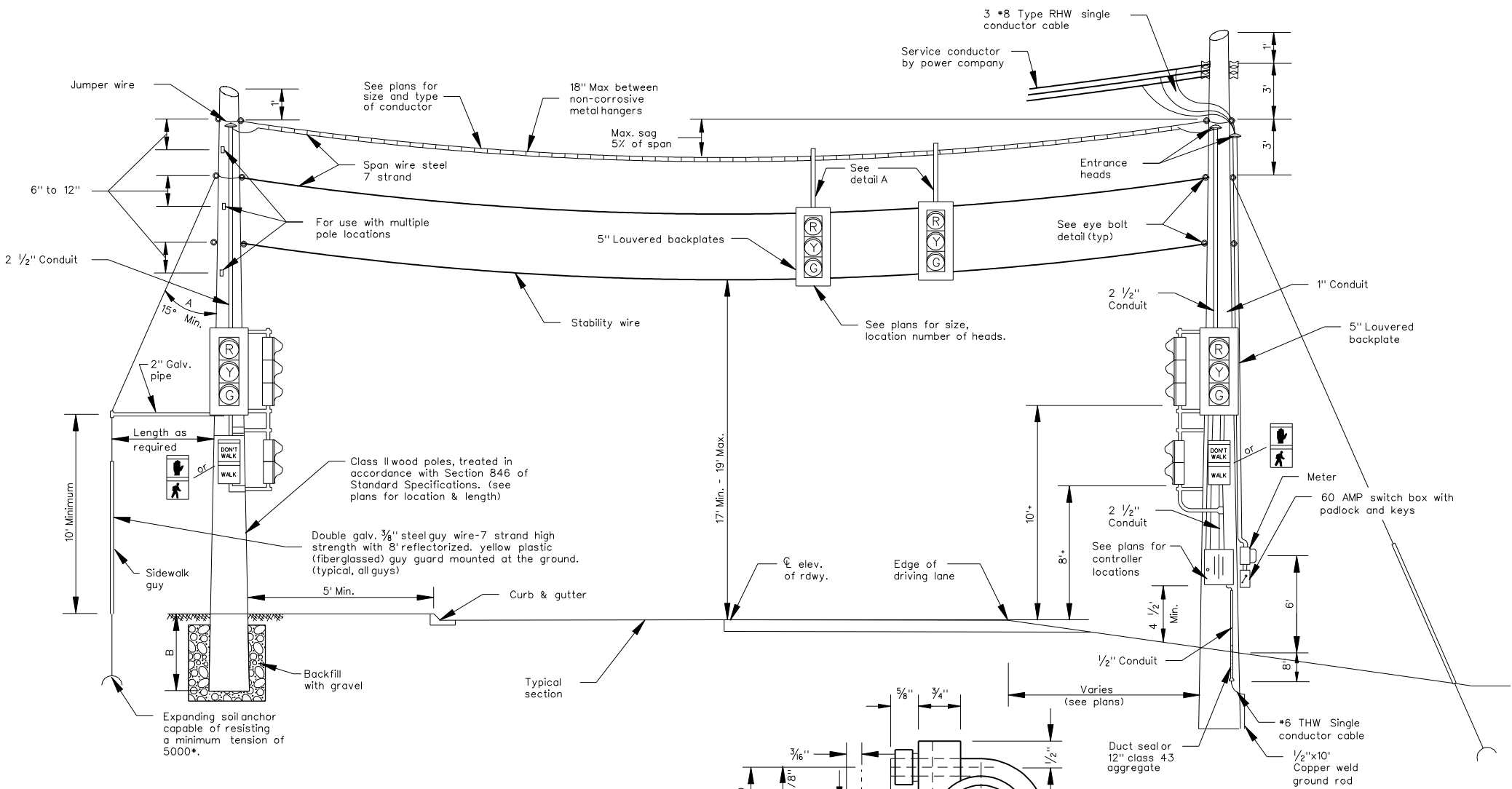
INTERIM TRAFFIC SIGNALS

D-772-6

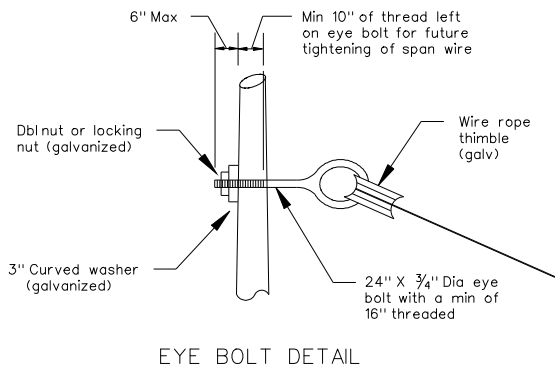
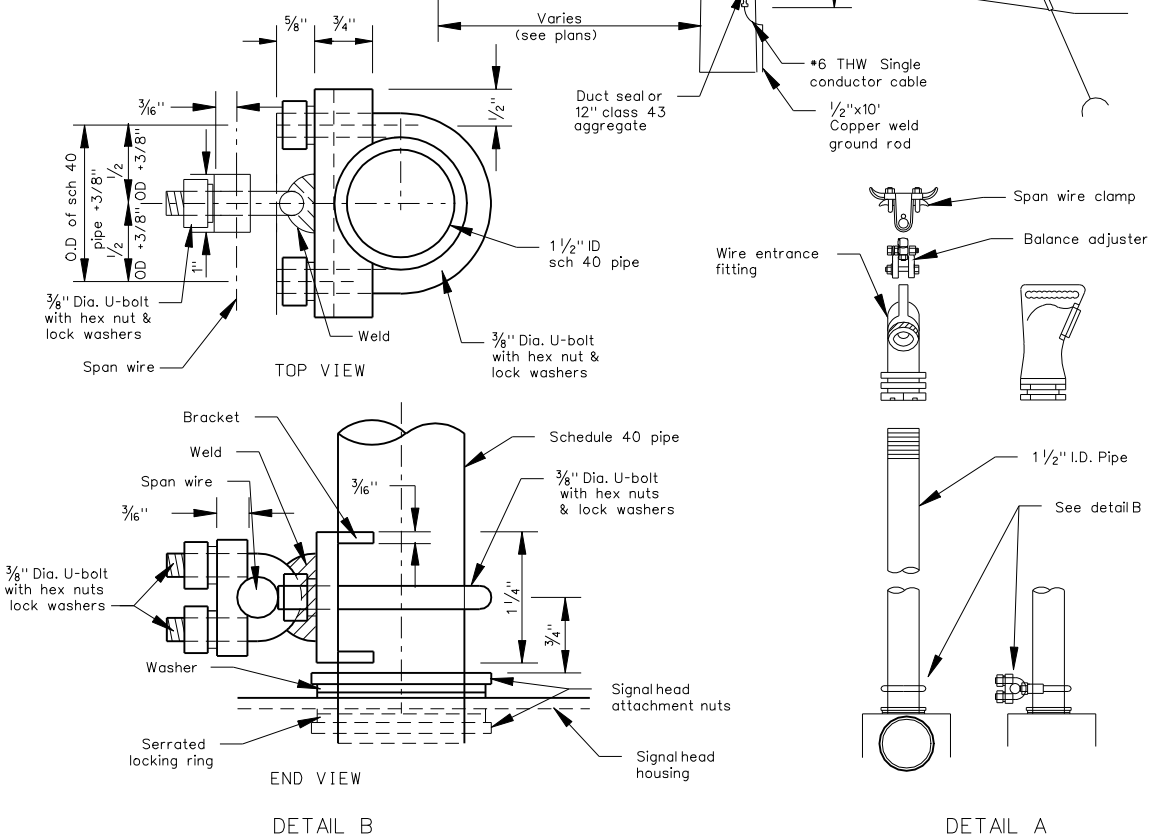
MATERIALS:

- 1. The interim traffic signal shall meet the requirements as stated in the N.D. Standard Specification Section 772 and 896.
- 2. If a guy wire angle of less than 45 is used, the capability of the expanding soil anchor to resist tensions on site must be increased.
- 3. The contractor shall maintain the required 17 to 19 ft. signal height over the roadway for a minimum period of 90 calendar days after installation, unless written permission is granted the engineer to waive the 90 day requirement. The cost of maintaining the signal head elevation shall not be bid separately but shall be included in the price bid for interim signals.
- 4. Traffic signal controller shall be operated on 120 volts.
- 5. All span wire & stability wire shall have thimble type connections.

A	Angle	Min. Anchor Resistance
	30°	12,000 lbs.
	15°	24,500 lbs.
B	Pole Depth of Setting	
	Length of Pole	Depth in Ground (min.)
	35	6'
	40	6'
	45	6 1/2'
	50	7'



OVERHEAD INTERIM TRAFFIC SIGNAL SPAN LENGTHS							
	(2) 3/8" span wire with 1/8" stabilization wire	(2) 3/8" span wire with 3/8" stabilization wire	(2) 1/2" span wire with 1/2" stabilization wire	(2) 3/8" span wire with 5/8" stabilization wire	(2) 3/8" span wire with 1/8" stabilization wire	(2) 3/8" span wire with 3/8" stabilization wire	(2) 1/2" span wire with 1/2" stabilization wire
ONE TRAFFIC SIGNAL HEAD				TWO TRAFFIC SIGNAL HEAD			
	High Strength Steel				High Strength Steel		
Maximum span length	FT	FT	FT	FT	FT	FT	FT
	110	130	150	165	65	85	125
	Extra High Strength Steel				Extra High Strength Steel		
Maximum span length	FT	FT	FT	FT	FT	FT	FT
	140	160	185	200	90	120	160
THREE TRAFFIC SIGNAL HEAD				FOUR TRAFFIC SIGNAL HEAD			
	High Strength Steel				High Strength Steel		
Maximum span length	FT	FT	FT	FT	FT	FT	FT
	45	60	100	130	35	50	80
	Extra High Strength Steel				Extra High Strength Steel		
Maximum span length	FT	FT	FT	FT	FT	FT	FT
	65	85	130	165	50	65	110



NORTH DAKOTA DEPARTMENT OF TRANSPORTATION		This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation
07-28-93		
REVISIONS		
DATE	CHANGE	
07-05-94 12-05-94 08-15-96 08-14-01 12-01-04	Eye bolt detail Span lengths Span lengths Added pedestrian symbol PE Stamp added	